

Amendments to the Title:

Please change the title to read as follows:

--DYNAMO-ELECTRIC MACHINE HAVING A ROTOR WITH FIRST
AND SECOND AXIALLY OR ROTATIONALLY DISPLACEABLE FIELD
MAGNETS--.

Amendments to the Specification:

Please amend the first paragraph beginning on page 4 as follows:

BRIEF DESCRIPTION OF THE DRAWINGS

~~Fig. 1 is a view~~ Figs. 1A and 1B are views showing the layout of the dynamo-electric machine and the rolling stock according to an embodiment of the present invention.

Please amend the second paragraph beginning on page 4 as follows:

~~Fig. 2 is a whole schematic view~~ Figs. 2A and 2B are schematic views of dynamo-electric machine shown in Fig. 1.

Please amend the third paragraph beginning on page 4 as follows:

~~Fig. 3 is a schematic view~~ Figs. 3A and 3B are schematic views showing a case where the magnetic pole centers of equal-polarity of the rotor of the dynamo-electric machine in Fig. 1 is in phase.

Please amend the fourth paragraph beginning on page 4 as follows:

~~FIG. 4 is a schematic view~~ Figs. 4A and 4B are schematic views showing a case where magnetic pole centers of equal-polarity of the rotor of the dynamo-electric machine in FIG. 1 are out of phase.

Please amend the fourth paragraph beginning on page 5 as follows:

~~Fig. 13 is an illustration~~ Figs. 13A-13D are illustrations of the method of measuring the displacement in the axial direction of the dynamo-electric machine according to another embodiment of the present invention.

Please amend the fifth paragraph beginning on page 5 as follows:

~~Fig. 14 is a schematic view~~ Figs. 14A-14C are schematic views of the rotor of the dynamo-electric machine according to another embodiment of the present invention (eight pole machine).

Please amend the first paragraph beginning on page 6 as follows:

~~Fig. 18 is an illustration~~ Figs. 18A-18D are illustrations used for the supplementary explanation of the dynamo-electric machine shown in Fig. 16.

Please amend the second paragraph beginning on page 6 as follows:

~~Fig. 19 is an illustration~~ Figs. 19A-19D are illustrations used for the supplementary explanation of the dynamo-electric machine shown in Fig. 17.

Please amend the third paragraph beginning on page 6 as follows:

~~Fig. 20 is a view~~ Figs. 20A-20C are views showing the dynamo-electric machine according to another embodiment of the present invention.

Please amend the fourth paragraph beginning on page 6 as follows:

~~Fig. 21 is a view~~ Figs. 21A-21B are views showing the dynamo-electric machine according to another embodiment of the present invention.

Please amend the third paragraph beginning on page 7 as follows:

Dynamo-electric machine 2 shown ~~at the bottom of Fig. 1~~ in Fig. 1B has the structure to transmit the power to axle 84 through coupling 81 and cogwheel device 82. Mechanism 25R and 25L by which stopper 24 shown in fig. 2 is moved in parallel to the shaft if necessary are provided at the right and left of said dynamo-electric machine 2.

Please amend the fourth paragraph beginning on page 7 as follows:

Fig. 2 ~~schematically~~ schematically shows the case where the centers of the same magnetic poles of the rotors of the dynamo-electric machine shown in ~~Fig. 1~~ is Fig. 1 are out of alignment. Armature winding 11 is wound in the slots of the stator core 10, which is connected to housing 13 with cooling channel 12 through which refrigerant flows.

Please amend the sixth paragraph bridging pages 7 and 8 as follows:

In the first rotor 20A, permanent magnets 21A are arranged so as to be alternatively aligned magnetic poles of different polarity in the rotation direction. Similarly, in ~~the first~~ the second rotor 20B, permanent magnets 21B are arranged so as to be alternatively aligned magnetic poles of different polarity in the rotation direction. The field magnets coaxially arranged in the two rotors of the first and the second rotors are opposite to magnetic poles of the stator.

Please amend the sixth paragraph bridging pages 17 and 18 as follows:

When the stopper 24 is attracted by exciting the coil 46, burden of conducting current to the coil 46 can be reduced by adding torque to the second rotor 20B so as to be rotated with respect to the first rotor 20A while the gap between the first rotor 20A and the second ~~rotor 20B~~ rotor 20B is being widened as if a nut portion were screwed off from a bolt screw portion.

Please amend the first paragraph beginning on page 22 as follows:

Therefore, in a rolling stock system which uses the dynamo-electric machine in which the rotation directions in the go and return are reverse to each other, when the high torque characteristic is demanded in the low rotating speed region such as the start of the electric rolling stock, etc, the right and left field magnets are compulsorily aligned as shown in ~~Fig. 18(1).~~ Fig. 18B. Further,

when the high torque characteristic is demanded in the high rotating speed region, the right and left stoppers 24 is allowed to be movable as occasion arised as shown in ~~FIGs. 18(2) and 18(3)~~. Figs. 18C and 18D. As a result, a resultant magnetic field by both field magnets can be changed by moving stopper 24, and the effect of field weakening is achieved.